

All aluminum poles shall be furnished with internal vibration dampening devices.

Bracket Arms. The bracket arm shall be secured to the poles as specified in the manufacturer's recommendations. Each bracket arm shall be perpendicular to the travel lane of roadway, unless otherwise specified.

808.04 MEASUREMENT AND PAYMENT. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

808.04.01 Lighting Structures will be measured and paid for at the Contract unit price per each pole height, bracket arm length and material type.

808.04.02 Concrete Foundation will be measured and paid for as specified in Section 801.

808.04.03 Breakaway Base Support Systems, when specified in the Contract Documents, will be measured and paid for as specified in Section 821.

808.04.04 Bracket arms for signal structures or wood poles will be measured and paid for at the Contract unit price per each for the pertinent Bracket Arm item.

SECTION 809 — TRENCHING AND BACKFILLING

809.01 DESCRIPTION. This work shall consist of excavating and backfilling trenches to the width required to receive underground conduit, wire, or duct cable for traffic control devices as specified in the Contract Documents or as directed by the Engineer.

809.02 MATERIALS.

Backfill	950.05
Conduit Detection Tape	950.11

809.03 CONSTRUCTION. Trenches shall be excavated to the dimensions and lines specified and shall conform to Section 402.

In areas where conduit is trenched, a detector tape shall be placed in the trench at a depth of 6 in. below the finished grade. The color of the

tape shall be red. The tape shall be imprinted with a continuous warning message that reads "**CAUTION: SHA ELECTRICAL LINE BURIED BELOW,**" repeated every 36 in. The tape shall be inductively and conductively traceable using a standard pipe and cable locating device.

Cable Treatment. The duct cable and direct buried wires shall be bedded into the special backfill material as specified in the Contract Documents.

Backfill. The trench shall be backfilled and compacted as specified in Section 801 and restored to its original condition, including replacing topsoil, reseeding, and resodding where directed by the Engineer.

All excess or unsuitable material shall be disposed of as specified in Section 402.

809.04 MEASUREMENT AND PAYMENT. Trenching and backfilling will not be measured but the cost will be incidental to the Contract unit price for the installation of the pertinent conduit, detector tape, wire, or duct cable.

SECTION 810 — ELECTRICAL CABLE, WIRE, AND CONNECTORS

810.01 DESCRIPTION. This work shall consist of furnishing and installing loop detector wires and leads, electrical cable, cable ducts, wire, micro-loop probe sets, communication cable, and associated connectors of the type and at the locations specified in the Contract Documents or as directed by the Engineer.

810.02 MATERIALS.

Micro-Loop Probe	As approved by the Office of Traffic & Safety (OOTS)
Sealer for Loop Detector	911.06
Conduit	921.07
Electrical Cable and Wire	950.06
Communication Cable	950.06.08
Cable and Wire Connectors	950.14

810.03 CONSTRUCTION. The Contractor shall furnish and install copper conductor wire and cable of the types and sizes and at the locations specified in the Contract Documents. No splicing will be permitted for cables unless specified in the Contract Documents. When